HW#19H: Reflections Pt. 1

Geometry

Due: Tuesday, Oct 6th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP \_\_\_\_\_

Failure to show work will result in LaSalle.

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| 1. Describe the process for finding the reflection of a pre-image across a horizontal or vertical axis.  What must be true in order to be able to use your process? | | Justify your process by providing an example below. |
| 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGReflect the triangle MCP across y = 2.   Give the coordinates of each point below:   *M = C =*  *P =*  *M’ =*  *C’ =*  *P’ =* | 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGReflect the quadrilateral FDIG across the x-axis.   Give the coordinates of each point below:  *F =*  *D =*  *I =*  *G =*  *F’ =*  *D’ =*  *I’ =*  *G’ =* | |

Flip 🡪

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| C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGC:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNG4) Use a reflection in the x-axis to draw the other half of the figure:  a) b) |
| c) Describe, in at least 1 full sentence, the strategy you used to draw in the second half. |

Determine and label the lines of symmetry for each shape below.

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| 5) | 6) |
| 7) | 8) |

Parallel Lines Review

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9) Determine whether or not each of the functions below is parallel to *f(x)* =   1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\.25x+1.PNG b) c) *h(x)*= -  |  |  | | --- | --- | | *x* | *g(x)* | | 0 | 0 | | 4 | 3 | | 12 | 9 | | 16 | 12 | |